

FILE 'CAPLUS' ENTERED AT 14:35:28 ON 18 OCT 2005  
 SET LINE 250  
 SET DETAIL OFF  
 E CICCOLELLA PAUL/AU 25  
 SET NOTICE 1000 SEARCH  
 L1 2 SEA ("CICCOLELLA PAUL C"/AU)  
 SET NOTICE 1 DISPLAY  
 SET LINE LOGIN  
 SET DETAIL LOGIN  
 DIS L1 1 TI  
 SET NOTICE LOGIN DISPLAY  
 SET NOTICE LOGIN SEARCH  
 DIS L1 1-2 BIB  
 SET LINE 250  
 SET DETAIL OFF  
 E HOZBOR M/IN 25  
 SET NOTICE 1000 SEARCH  
 L2 3 SEA ("HOZBOR MARIA A"/IN)  
 SET NOTICE LOGIN SEARCH  
 SET LINE LOGIN  
 SET DETAIL LOGIN  
 DIS L2 1-3  
 SET NOTICE 1000 SEARCH  
 L3 1 SEA (AFFY)/CS  
 L4 524 SEA (AFFYMETRIX)/CS  
 L5 9 SEA L4 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR WAFER? OR MICRO-ARRAY?) AND (SEM OR SCANNING?))  
 SET NOTICE LOGIN SEARCH  
 DIS L5 1-9 BIB  
 SET NOTICE 1000 SEARCH  
 L6 1330 SEA (AGILENT)/CS  
 L7 0 SEA L6 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR WAFER? OR MICRO-ARRAY?) AND (SEM))  
 L8 316 SEA L6 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR WAFER? OR MICRO-ARRAY?))  
 L9 1 SEA L6 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR WAFER? OR MICRO-ARRAY?) AND (SEM OR MICROSCOPE?))  
 SET NOTICE LOGIN SEARCH  
 DIS L9 BIB  
 L10 147 SEA (BIOMOLECULE? OR NUCLEOTIDE? OR OLIGONUCLEOTIDE? OR POLYNUCLEOTIDE? OR DNA? OR RNA? OR mRNA? OR cDNA?) AND (MICROARRAY? OR MICRO-ARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR WAFER?) AND ("SCANNING ELECTRON MICROSCOPE" OR SEM)  
 L11 146 DUP REM L10 (1 DUPLICATE REMOVED)  
 DIS L11 1-10 TI  
 DIS L11 1-146 TI  
 L12 146 SEA L11  
 L13 0 SEA L12 AND ("LIGHT DIRECTED" OR "LIGHT-DIRECTED" OR "SPATIALLY DIRECTED" OR "SPATIALLY-DIRECTED")  
 L14 146 SEA L11  
 L15 5 SEA L14 AND (ERROR? OR MISALIGNMENT?)  
 L16 5 DUP REM L15 (0 DUPLICATES REMOVED)  
 DIS L16 1-5 BIB

=> FIL MEDLINE BIOSIS CAPLUS EMBASE SCISEARCH

=> dis his full

(FILE 'HOME' ENTERED AT 14:35:12 ON 18 OCT 2005)

FILE 'CAPLUS' ENTERED AT 14:35:28 ON 18 OCT 2005  
 SET LINE 250  
 SET DETAIL OFF  
 E CICCOLELLA PAUL/AU 25  
 SET NOTICE 1000 SEARCH  
 L1 2 SEA ("CICCOLELLA PAUL C"/AU)  
 SET NOTICE 1 DISPLAY  
 SET LINE LOGIN  
 SET DETAIL LOGIN  
 DIS L1 1 TI

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        SET NOTICE LOGIN DISPLAY
        SET NOTICE LOGIN SEARCH
        DIS L1 1-2 BIB
        SET LINE 250
        SET DETAIL OFF
        E HOZBOR M/IN 25
        SET NOTICE 1000 SEARCH
L2      3 SEA ("HOZBOR MARIA A"/IN)
        SET NOTICE LOGIN SEARCH
        SET LINE LOGIN
        SET DETAIL LOGIN
        DIS L2 1-3
        SET NOTICE 1000 SEARCH
L3      1 SEA (AFFY)/CS
L4      524 SEA (AFFYMETRIX)/CS
L5      9 SEA L4 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR
        SUPPORT? OR WAFER? OR MICRO-ARRAY?) AND (SEM OR SCANNING?))
        SET NOTICE LOGIN SEARCH
        DIS L5 1-9 BIB
        SET NOTICE 1000 SEARCH
L6      1330 SEA (AGILENT)/CS
L7      0 SEA L6 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR
        SUPPORT? OR WAFER? OR MICRO-ARRAY?) AND (SEM))
L8      316 SEA L6 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR
        SUPPORT? OR WAFER? OR MICRO-ARRAY? ))
L9      1 SEA L6 AND PY<=2004 AND ((MICROARRAY? OR ARRAY? OR CHIP? OR
        SUPPORT? OR WAFER? OR MICRO-ARRAY?) AND (SEM OR MICROSCOPE?))
        SET NOTICE LOGIN SEARCH
        DIS L9 BIB
L10     147 SEA (BIOMOLECULE? OR NUCLEOTIDE? OR OLIGONUCLEOTIDE? OR
        POLYNUCLEOTIDE? OR DNA? OR RNA? OR mRNA? OR CDNA?) AND
        (MICROARRAY? OR MICRO-ARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR
        WAFER?) AND ("SCANNING ELECTRON MICROSCOPE" OR SEM)
L11     146 DUP REM L10 (1 DUPLICATE REMOVED)
        DIS L11 1-10 TI
        DIS L11 1-146 TI
L12     146 SEA L11
L13     0 SEA L12 AND ("LIGHT DIRECTED" OR "LIGHT-DIRECTED" OR "SPATIALLY
        DIRECTED" OR "SPATIALLY-DIRECTED")
L14     146 SEA L11
L15     5 SEA L14 AND (ERROR? OR MISALIGNMENT?)
L16     5 DUP REM L15 (0 DUPLICATES REMOVED)
        DIS L16 1-5 BIB

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FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, SCISEARCH' ENTERED AT 15:05:42 ON
18 OCT 2005
L17     1939 SEA (BIOMOLECULE? OR NUCLEOTIDE? OR OLIGONUCLEOTIDE? OR
        POLYNUCLEOTIDE? OR DNA? OR RNA? OR mRNA? OR CDNA?) AND
        (MICROARRAY? OR MICRO-ARRAY? OR ARRAY? OR CHIP? OR SUPPORT? OR
        WAFER?) AND ("SCANNING ELECTRON MICROSCOPE" OR SEM)
L18     1455 DUP REM L17 (484 DUPLICATES REMOVED)
L19     47 SEA L18 AND (ERROR? OR MISALIGN? OR "LIGHT DIRECTED" OR
        "LIGHT-DIRECTED" OR "SPATIALLY DIRECTED" OR "SPATIALLY-DIRECTED
        " OR GOLD)
L20     47 DUP REM L19 (0 DUPLICATES REMOVED)
        DIS L20 1-47 TI
        DIS L20 1,3,5,10,12,14,17,22,36 BIB

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=> dis his full

(FILE 'HOME' ENTERED AT 11:58:36 ON 19 OCT 2005)

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FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, SCISEARCH' ENTERED AT 11:58:53 ON
19 OCT 2005
L1      99 SEA "REVIEW" AND (ARRAY? OR MICROARRAY? OR CHIP? OR WAFER? OR
        MICRO-ARRAY? OR BIOCHIP? OR BIO-CHIP?) AND (SEM OR "SCAN?
        NEAR2 ELECTRO? NEAR2 MICROSCOP?")
        DIS L1 1-99 TI
L2      0 SEA L1 AND (PRODUCT? OR ASSEMBL? OR MANUFACTUR? OR METHOD?)
        AND (BIOMOLECULE? OR DNA OR RNA OR CDNA OR mRNA OR OLIGONUCLEOT
        IDE? OR NUCLEOTIDE? OR POLYNUCLEOTIDE?)
L3      1942270 SEA (PRODUCT? OR ASSEMBL? OR MANUFACTUR? OR METHOD?) AND
        (BIOMOLECULE? OR DNA OR RNA OR CDNA OR mRNA OR OLIGONUCLEOTIDE?

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L4                    OR NUCLEOTIDE? OR POLYNUCLEOTIDE?)  
L4        80 SEA L3 AND (ARRAY? OR MICRO-ARRAY? OR MICROARRAY? OR WAFER? OR  
CHIP? OR BIO-CHIP? OR BIOCHIP?) AND (SEM OR "SCANNING ELECTRON  
MICROSCOPE")  
L5        53 DUP REM L4 (27 DUPLICATES REMOVED)  
DIS L5 1-53 TI  
DIS L5 1,5,6,8,13,14,16,19,20,21,23,27,28,30,37,45,52 IBIB

=> s array? or microarray? or micro-array? or chip? or biochip? or bio-chip? or ":"  
L1        756697 ARRAY? OR MICROARRAY? OR MICRO-ARRAY? OR CHIP? OR BIOCHIP? OR  
BIO-CHIP? OR "SOLID SUPPORT" OR "SOLID-SUPPORT" OR WAFER? OR  
"MICROTITER PLATE" OR "NITROCELLULOSE MEMBRANE" OR "96 WELL  
PLATE"  
  
=> s "scanning electron microscope" or SEM or "electron near3 microscope"  
L2        332374 "SCANNING ELECTRON MICROSCOPE" OR SEM OR "ELECTRON NEAR3 MICROSC  
OPE"  
  
=> s l1 and l2  
L3        6988 L1 AND L2  
  
=> s l3 and (biomolecule? or nucleotide? or oligonucleotide? or polynucleotide? o  
L4        439 L3 AND (BIOMOLECULE? OR NUCLEOTIDE? OR OLIGONUCLEOTIDE? OR  
POLYNUCLEOTIDE? OR RNA OR DNA OR CDNA OR mRNA OR PROBE?)  
  
=> dup rem 14  
PROCESSING COMPLETED FOR L4  
L5        312 DUP REM L4 (127 DUPLICATES REMOVED)  
  
=> s l5 and ("heavy atom" or "metal enhancement" or gold or au of silver or ag)  
L6        45 L5 AND ("HEAVY ATOM" OR "METAL ENHANCEMENT" OR GOLD OR AU OF  
SILVER OR AG)  
  
=> dis l6 1-45 ibib  
  
  
=> s l6 and ((parallel combinational synthesis" or "light directed synthesis" or  
UNMATCHED LEFT PARENTHESIS 'AND ((PARALLEL'  
The number of right parentheses in a query must be equal to the  
number of left parentheses.  
  
=> s l6 and ("parallel combinational synthesis" or "light directed synthesis" or  
L7        0 L6 AND ("PARALLEL COMBINATIONAL SYNTHESIS" OR "LIGHT DIRECTED  
SYNTHESIS" OR "MASKLESS" OR "SPATIALLY DIRECTED SYNTHESIS")  
  
=> s l6 and (detector or "secondary electron detector" or "backscattered electron"  
L8        1 L6 AND (DETECTOR OR "SECONDARY ELECTRON DETECTOR" OR "BACKSCATT  
ERED ELECTRON")  
  
=> dis l8 1 ibib  
  
=> dis l1 1-102 ti  
  
=> dis l1 61, 58, 52, 47 bib  
  
  
=> s (array? or microarray? or chip? or biochip? or genechip? or substrate or sup  
L1        8453633 (ARRAY? OR MICROARRAY? OR CHIP? OR BIOCHIP? OR GENECHIP? OR  
SUBSTRATE OR SUPPORT OR SLIDE OR WAFER?)  
  
=> s l1 and (biomolecule? or dna or rna or mrna or cdna or oligonucleotide? or po  
L2        1239460 L1 AND (BIOMOLECULE? OR DNA OR RNA OR MRNA OR CDNA OR OLIGONUCLE  
TOIDE? OR POLYNUCLEOTIDE? OR NUCLEOTIDE?)  
  
=> s l2 and (microscope? or SEM or "scanning electron microscope" or "electron mi  
L3        6424 L2 AND (MICROSCOPE? OR SEM OR "SCANNING ELECTRON MICROSCOPE"  
OR "ELECTRON MICROSCOPE")

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=> s 13 and (gold or metal? or au or ag)
L4      557 L3 AND (GOLD OR METAL? OR AU OR AG)

=> s 13 and (error? or misalignment? or manufacturing or manfacture? or fabricati
L5      274 L3 AND (ERROR? OR MISALIGNMENT? OR MANUFACTURING OR MANFACTURE?
                  OR FABRICATION OR FABRICATE? OR FABRICATING)

=> s 13 and (light directed)
L6      7 L3 AND (LIGHT DIRECTED)

=> dis 16 1-7 ti

=> s 13 and 14 and 15
L7      64 L3 AND L4 AND L5

=> dup rem 17
PROCESSING COMPLETED FOR L7
L8      40 DUP REM L7 (24 DUPLICATES REMOVED)

=> dup rem 16
PROCESSING COMPLETED FOR L6
L9      7 DUP REM L6 (0 DUPLICATES REMOVED)

=> dis 19 bib ab

=> dis 19 1-7 bib ab

=> s (array? or microarray? or biochip? or chip? or wafer? or genechip?) (s) (sem
L1      119 (ARRAY? OR MICROARRAY? OR BIOCHIP? OR CHIP? OR WAFER? OR GENECHI
                  P?) (S) (SEM OR MICROSCOPE?) (S) (ALIGN? OR MISALIGN? OR ALIGNME
                  NT? OR MISALIGNMENT?)

=> dup rem 11
PROCESSING COMPLETED FOR L1
L2      87 DUP REM L1 (32 DUPLICATES REMOVED)

=> s 12 and (molecule? or biomolecule? or nucleotide? or polynucleotide? or dna o
L3      3 L2 AND (MOLECULE? OR BIOMOLECULE? OR NUCLEOTIDE? OR POLYNUCLEOTI
                  DE? OR DNA OR RNA OR CDNA OR MRNA OR PROTEIN? OR ANTIBOD?)

=> dis 13 1-3 bib ab

=> dis 12 1-87 ti

=> dis 12 62, 20 bib

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